

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(impeller and motor and "rotational force trasmission").clm.	US-PGPUB	OR	ON	2008/01/22 15:45
L2	35	(impeller and motor and blade and height).clm.	US-PGPUB	OR	ON	2008/01/22 15:46
L3	4	(impeller and motor and blade and height and centrifugal).clm.	US-PGPUB	OR	ON	2008/01/22 15:46
S1	222	tamagawa-toru.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 11:11
S2	63	yoshida-yusuke.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 11:12
S3	10	("0801304"   "1319364"   "1838169"   "4419049"   "4629394"   "6273679"   "6439839").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/31 11:12
S4	0	("2006/0013684").URPN.	USPAT	OR	ON	2007/05/31 11:17
S5	32	(nidec adj corporation) and fan	USPAT	OR	ON	2007/05/31 11:19
S6	74	(nidec adj corporation) and fan	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 11:19
S7	67	S6 not S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 11:19
S8	63	S7 not S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 11:22
S10	415	(impeller or fan or balde) near5 cantilever\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 09:07
S11	0	(impeller or fan or balde) near5 cantilever10 and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 11:23

## EAST Search History

S12	231	S10 and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 13:21
S13	816	417/423.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 13:21
S14	42	("2438872"   "3073976"   "3088042"   "3094272"   "3188833"   "3235756"   "3512024"   "3826193"   "4431931"   "4456842"   "4574210"   "4639193"   "4659951"   "4742257"   "4838762"   "4859887"   "4900956"   "4908537"   "4908538"   "5019733"   "5021696"   "5084641"   "5241230").PN. OR ("5814908"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/31 13:43
S15	58	("3420184"   "3608088"   "3647324"   "3960468"   "4135253"   "4382199"   "4625712"   "4645433"   "4688998"   "4704121"   "4714405"   "4806080"   "4812108"   "5049134"   "5055005"   "5106273"   "5112202"   "5158440"   "5195877"   "5205721").PN. OR ("5370509").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/31 14:10
S16	485	417/423.15.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/31 14:11
S17	505	417/423.15.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 14:11
S18	478	S17 not S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 14:38
S19	595	417/423.12.ccls. not S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 15:35

## EAST Search History

S20	583	S19 not S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 14:39
S21	14	("2269412"   "2492792"   "3615008"   "4057369"   "4154489"   "4167296").PN. OR ("4295803"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/31 14:53
S22	742	417/423.14.ccls. not 417/423.1,423. 15,423.12,423.13.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/31 15:36
S23	7	("3141607"   "4360751"   "4634912").PN. OR ("4859888"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/31 16:19
S24	0	"cantilever\$4 adj impeller"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/31 16:19
S25	14	(cantilever\$4 adj impeller)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 08:33
S26	397	417/424.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 08:34
S27	466	417/424.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 08:34
S28	419	S27 not 417/423.1,423.15,423.12, 423.13,424.14.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 12:28
S29	0	417/424.2.ccls not 417/423.1,423. 15,423.12,423.13,424.14,424.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 08:58
S30	0	417/424.2.ccls not 417/423.1,423. 15,423.12,423.13,424.14.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 08:58

## EAST Search History

S31	69	417/424.2.ccls. not 417/423.1,423.15,423.12,423.13,424.14,424.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 09:01
S32	991	417/410.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 09:01
S33	308	417/410.4.ccls. not 417/423.1,423.15,423.12,423.13,424.14,424.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 09:01
S34	3202	(impeller or fan or blade) near5 cantilever\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 09:07
S35	1295	S34 and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 09:07
S36	175	S35 and ("417".clas. or "415".clas. or "310".clas. or "416".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 09:08
S37	9	("3250457"   "3263749"   "3279209"   "3857189"   "5085057").PN. OR ("5803707").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 09:22
S38	6	"708258".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 09:23

## EAST Search History

S39	51	(US-20060013684-\$ or US-20040202540-\$ or US-20050201864-\$ or US-20050201861-\$ or US-20060250039-\$ or US-20020051718-\$).did. or (US-7217087-\$ or US-6267554-\$ or US-6093000-\$ or US-5713730-\$ or US-5588814-\$ or US-6093001-\$ or US-6279340-\$ or US-6176092-\$ or US-6004097-\$ or US-6282746-\$ or US-5803721-\$ or US-6447265-\$ or US-RE37261-\$ or US-5324178-\$ or US-5814908-\$ or US-5370509-\$ or US-6030286-\$ or US-6132186-\$ or US-5403163-\$ or US-2142307-\$ or US-4295803-\$ or US-4859888-\$ or US-6210101-\$ or US-3141607-\$ or US-2800272-\$ or US-6278209-\$). did. or (US-6358011-\$ or US-5803707-\$ or US-6318358-\$ or US-3263749-\$ or US-4406585-\$). did. or (US-3194166-\$ or US-3274410-\$ or US-2747512-\$ or US-3141607-\$ or US-3126832-\$ or US-2800272-\$ or US-2258284-\$ or US-2148254-\$ or US-3190543-\$). did. or (JP-2003307196-\$ or JP-2004332724-\$ or JP-2001304165-\$).did. or (US-6282746-\$ or US-20020088213-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/01 09:24
S40	42	("2438872"   "3073976"   "3088042"   "3094272"   "3188833"   "3235756"   "3512024"   "3826193"   "4431931"   "4456842"   "4574210"   "4639193"   "4659951"   "4742257"   "4838762"   "4859887"   "4900956"   "4908537"   "4908538"   "5019733"   "5021696"   "5084641"   "5241230").PN. OR ("5814908"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 10:28
S41	18	("3700358"   "3858069"   "4510409"   "4536672"   "4554473"   "4554491").PN. OR ("4659951"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 11:09
S42	27	S39 and (length or heighth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 11:43
S43	1709	415/206.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 11:43

## EAST Search History

S44	995	S43 and (impeller or fan or balde)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 11:44
S45	650	S44 and motor	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 12:27
S46	517	416/185.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 12:28
S47	491	S46 not S45	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 12:28
S48	489	S47 not 417/423.1,423.15,423.12, 423.13,424.14.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 12:40
S49	996	416/186R.ccls. not 417/423.1,423. 15,423.12,423.13,424.14.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 12:41
S50	961	S49 not S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/01 12:41
S51	849	S49 not S46	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 12:41
S52	287	S50 and (length or width or depth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 15:00
S53	300	416/187.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 15:12
S54	122	416/187.ccls. and (length or width or heigth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 15:42
S55	135	416/223b.ccls. and (length or width or heigth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 15:50
S56	64	416/2.ccls. and (length or width or heigth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 15:57
S57	0	416/2dig.ccls. and (length or width or heigth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 15:57

## EAST Search History

S58	0	416/dig2.ccls. and (length or width or heigth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 15:58
S59	0	416/DIG2.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 15:58
S60	2	416/DIG2	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 08:46
S61	1210	"416".clas. and (impeller same material)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 08:46
S62	257	416/185,186r,187,223b.ccls. and (impeller same material)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 09:10
S63	0	416/185,186r,187,223b.ccls. and ((impeller same material) near (aluminum or "stainless steel"))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 09:14
S64	0	416/185,186r,187,223b.ccls. and ((impeller same material) near (aluminum or "stainless steel" or ceramic))	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 09:14

## EAST Search History

S65	75	(US-20060013684-\$ or US-20040202540-\$ or US-20050201864-\$ or US-20050201861-\$ or US-20060250039-\$ or US-20020051718-\$ or US-20020025253-\$).did. or (US-7217087-\$ or US-6267554-\$ or US-6093000-\$ or US-5713730-\$ or US-5588814-\$ or US-6093001-\$ or US-6279340-\$ or US-6176092-\$ or US-6004097-\$ or US-6282746-\$ or US-5803721-\$ or US-6447265-\$ or US-RE37261-\$ or US-5324178-\$ or US-5814908-\$ or US-5370509-\$ or US-6030286-\$ or US-6132186-\$ or US-5403163-\$ or US-2142307-\$ or US-4295803-\$ or US-4859888-\$ or US-6210101-\$ or US-3141607-\$ or US-2800272-\$ or US-6278209-\$). did. or (US-6358011-\$ or US-5803707-\$ or US-6318358-\$ or US-3263749-\$ or US-4406585-\$ or US-6951241-\$ or US-6514052-\$ or US-6439861-\$ or US-6149406-\$ or US-4838762-\$ or US-4659951-\$ or US-5505684-\$ or US-4883982-\$ or US-6769876-\$ or US-6604906-\$ or US-6439839-\$ or US-6030173-\$ or US-5403152-\$ or US-6042335-\$ or US-5988979-\$ or US-5685696-\$ or US-5746577-\$ or US-5476365-\$ or US-6224335-\$ or US-5741123-\$ or US-5573369-\$ or US-5464325-\$). did. or (US-4759690-\$).did. or (US-3194166-\$ or US-3274410-\$ or US-2747512-\$ or US-3141607-\$ or US-3126832-\$ or US-2800272-\$ or US-2258284-\$ or US-2148254-\$ or US-3190543-\$).did. or (JP-2003307196-\$ or JP-2004332724-\$ or JP-2001304165-\$).did. or (US-6282746-\$ or US-20020088213-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 10:28
S66	4	S65 and (ceramic or aluminum or "stainless steel") near6 impeller	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 09:19



## EAST Search History

S67	0	(nippon adj denson) and (fan or impeller)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 10:29
S68	4	(nippon adj denson)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 11:01
S69	6	"708258".ap.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 14:15
S70	3548	impeller same ((height or length) and (diameter or radius or width) and number)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 14:18
S71	1387	S70 and ("417".clas. or "416".clas. or "415".clas.)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/06/04 14:17
S72	3474	impeller same ((height or length) and (diameter or radius or width) and number)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 14:18

## EAST Search History

S73	76	(US-20060013684-\$ or US-20060250039-\$ or US-20050201861-\$ or US-20020051718-\$ or US-20050201864-\$ or US-20040202540-\$ or US-20020025253-\$).did. or (US-6149406-\$ or US-3263749-\$ or US-6132186-\$ or US-5588814-\$ or US-6030286-\$ or US-6447265-\$ or US-6514052-\$ or US-2142307-\$ or US-2800272-\$ or US-RE37261-\$ or US-5403163-\$ or US-6093000-\$ or US-4659951-\$ or US-5713730-\$ or US-4859888-\$ or US-4295803-\$ or US-6004097-\$ or US-6278209-\$ or US-6176092-\$ or US-5814908-\$ or US-6267554-\$ or US-5741123-\$ or US-5573369-\$ or US-6358011-\$ or US-6279340-\$ or US-6282746-\$). did. or (US-4406585-\$ or US-5769069-\$ or US-5324178-\$ or US-6439839-\$ or US-6210101-\$ or US-6318358-\$ or US-5803707-\$ or US-4838762-\$ or US-7217087-\$ or US-6951241-\$ or US-5803721-\$ or US-6439861-\$ or US-5370509-\$ or US-6224335-\$ or US-4883982-\$ or US-6093001-\$ or US-6030173-\$ or US-5505684-\$ or US-6042335-\$ or US-5403152-\$ or US-5464325-\$ or US-3141607-\$ or US-6769876-\$ or US-6604906-\$ or US-5988979-\$ or US-4759690-\$ or US-5685696-\$). did. or (US-5476365-\$ or US-5746577-\$).did. or (US-3141607-\$ or US-2148254-\$ or US-2258284-\$ or US-3190543-\$ or US-3274410-\$ or US-2747512-\$ or US-3194166-\$ or US-3126832-\$ or US-2800272-\$).did. or (JP-2003307196-\$ or JP-2004332724-\$ or JP-2001304165-\$).did. or (US-20020088213-\$ or US-6282746-\$).did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/10/29 14:19
S74	41	S73 and centrifugal	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:41
S75	0	"centrifugal fan" and "length-diameter ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:42

## EAST Search History

S76	0	"centrifugal fan" and "diameter-length ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:43
S77	3	(fan or blower) and "diameter-length ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:43
S78	7	(fan or blower) and "length-diameter ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:44
S79	0	(fan or blower) and "length-radius ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:44
S80	0	(fan or blower) and "radius-length ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:45
S81	0	(fan or blower) and "radius-heighth ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:45
S82	0	(fan or blower) and "diameter-heighth ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:45
S83	0	(fan or blower) and "heighth-diameter ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:46
S84	0	(fan or blower) and "heighth-diameter ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:46
S85	0	(fan or blower) and "heighth-radius ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:46
S86	454	(fan or blower) and cantilever and ((diameter or radius) near4 (heighth or length))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 14:47
S87	4	("4416327").PN. OR ("5373894").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:08
S88	654	centrifugal adj (fan or impeller or blower) and ((diameter or radius) near4 (heighth or length))	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:09
S89	4	("4416327").PN. OR ("5373894").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:09
S90	654	S88 not S89	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:13

## EAST Search History

S91	0	"417,415,418,416".clas. and S90	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:13
S92	189	S90 and ("417".clas. or "416".clas. or "415".clas. or "418".clas.)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:14
S93	12	("1250681"   "2419411"   "3536416"   "4538963").PN. OR ("5064346").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:43
S94	1	"5803707".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:44
S95	9	("3250457"   "3263749"   "3279209"   "3857189"   "5085057").PN. OR ("5803707").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 10:59
S96	25	("1834959"   "2401560"   "2542121"   "2654233"   "2782611"   "2971351"   "3084522"   "3440946"   "3762182"   "4135850").PN. OR ("4553404").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:04
S97	25	("0801304"   "0820398"   "0820399"   "2290423"   "3491550"   "3796511"   "4135850"   "4253796"   "4411453"   "4549848"   "4553404"   "4573869"   "4680006").PN. OR ("5570996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:07
S98	10	((TORU) near2 (TAMAGAWA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:30
S99	10	("0801304"   "1319364"   "1838169"   "4419049"   "4629394"   "6273679"   "6439839").PN. OR ("7217087").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:31
S10 0	12	("2652190"   "3201032"   "3257071"   "3306529"   "3536416"   "6095752"   "6893220").PN. OR ("7264446").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:37
S10 1	213	((TORU) near2 (TAMAGAWA)).INV.	EPO; JPO; DERWENT	OR	ON	2007/10/30 11:44
S10 2	0	S101 and windage	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:37
S10 3	30	((YUSUKE) near2 (YOSHIDA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 11:39
S10 4	1	"6438820"	EPO; JPO; DERWENT	OR	ON	2007/10/30 11:46

## EAST Search History

S10 5	1	"5354184"	EPO; JPO; DERWENT	OR	ON	2007/10/30 11:46
S10 6	5	"5354184"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 11:47
S10 7	456	"windage loss" and (fan or impeller or blower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 11:53
S10 8	1	"20050180867"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 11:47
S10 9	179	"windage loss" same(fan or impeller or blower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 11:56
S11 0	28	(Nidec or Nippon) and "windage loss"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 11:57

## EAST Search History

S11 1	92	(US-20060013684-\$ or US-20060250039-\$ or US-20050201861-\$ or US-20020051718-\$ or US-20050201864-\$ or US-20040202540-\$ or US-20020025253-\$ or US-20070041823-\$ or US-20040245367-\$ or US-20020136634-\$ or US-20050207887-\$).did. or (US-6149406-\$ or US-3263749-\$ or US-6132186-\$ or US-5588814-\$ or US-6030286-\$ or US-6447265-\$ or US-6514052-\$ or US-2142307-\$ or US-2800272-\$ or US-RE37261-\$ or US-5403163-\$ or US-6093000-\$ or US-4659951-\$ or US-5713730-\$ or US-4859888-\$ or US-4295803-\$ or US-6004097-\$ or US-6278209-\$ or US-6176092-\$ or US-5814908-\$ or US-6267554-\$ or US-5741123-\$ or US-5573369-\$ or US-6358011-\$ or US-6279340-\$ or US-6282746-\$). did. or (US-4406585-\$ or US-5769069-\$ or US-5324178-\$ or US-6439839-\$ or US-6210101-\$ or US-6318358-\$ or US-5803707-\$ or US-4838762-\$ or US-7217087-\$ or US-6951241-\$ or US-5803721-\$ or US-6439861-\$ or US-5370509-\$ or US-6224335-\$ or US-4883982-\$ or US-6093001-\$ or US-6030173-\$ or US-5505684-\$ or US-6042335-\$ or US-5403152-\$ or US-5464325-\$ or US-3141607-\$ or US-6769876-\$ or US-6604906-\$ or US-5988979-\$ or US-4759690-\$ or US-5685696-\$). did. or (US-5476365-\$ or US-5746577-\$ or US-5373894-\$ or US-5330345-\$ or US-5340275-\$ or US-5064346-\$ or US-3536416-\$ or US-2419411-\$ or US-7144219-\$ or US-4573869-\$ or US-3796511-\$ or US-4553404-\$ or US-3804249-\$). did. or (US-3141607-\$ or US-2148254-\$ or US-2258284-\$ or US-3190543-\$ or US-3274410-\$ or US-2747512-\$ or US-3194166-\$ or US-3126832-\$ or US-2800272-\$). did. or (JP-2003307196-\$ or JP-2004332724-\$ or JP-2001304165-\$).did. or (US-20020088213-\$ or US-6282746-\$ or JP-2003307196-\$). did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/10/30 12:16
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## EAST Search History

S11 2	50	S111 and centrifugal	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:57
S11 3	16	("2852182"   "3041050"   "3130899"   "3138319"   "3423012"   "3450337"   "4329118"   "4483268"   "4515527").PN. OR ("5476365"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:30
S11 4	36	S111 not S112	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 12:57
S11 5	18	("3700358"   "3858069"   "4510409"   "4536672"   "4554473"   "4554491").PN. OR ("4659951"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 13:03